

Bellringer

→ What is the most important ecosystem in the world? Explain why you feel that way.

AND/OR

↪ What is the local ecosystem or biome like? Is there a keystone species? How will this environment respond to climate change? How can we protect the local environment from climate change? Explain.

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Bellringer

→ Give an example of a mutualistic relationship between 2 organisms.

→ What is riparian vegetation? How does it effect stream health?

Sep 25-2:10 PM

Control → radish seeds don't get  
subjected to experiment

Ind. V - variable you manipulate

Depend. V - plant growth ↗

Hypothesis → If

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### Bellringer

→ What is the most important animal or  
plant in the world? Why? Explain.

AND/OR

→ Are wildfires a good thing or a bad thing?  
Explain your thinking.

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# Community Ecology Review

Grade: 10th  
Subject: Biology  
Date:

Sep 18-11:26 AM

- 1 A \_\_\_\_\_ is a group of interacting populations that occupy the same area at the same time.

Community

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2 Any abiotic or biotic factor that restricts population numbers, reproduction, or distribution is called a tolerance factor.

True

False

False; limiting factor

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3 The establishment of a community in an area of exposed rock that does not have any topsoil is...

primary succession

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- 4 The stable, mature community that results when there is little change in the composition of species is a \_\_\_\_\_ community.

Climax community

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- 5 Tertiary succession is the orderly and predictable change that takes place after a community of organisms has been removed but the soil has remained in tact.

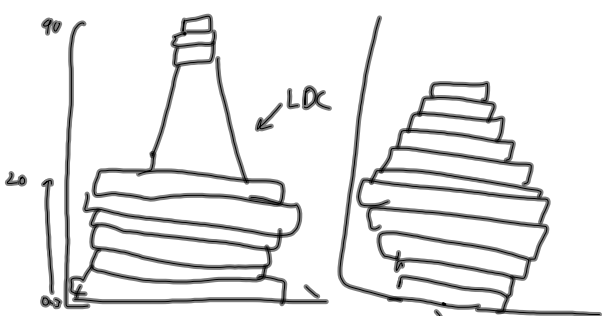
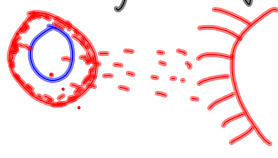
True  
False

False

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Bellringer

- How do we classify Biomes? List 3 biomes.  
plants, animals, habitat, climate
- How is weather different than climate?  
short-term → blanket of gases → long-term
- What is the greenhouse effect? How does it relate to global warming?



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# Biomes Review

Grade: 10th  
Subject: Biology  
Date:

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- 1 \_\_\_\_\_ is the condition of the atmosphere at a specific place and time.

Weather

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- 2 The average weather conditions in an area, including temperature and precipitation, describe an area's \_\_\_\_\_.

Climate

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- 3 Tundra is a treeless biome with a layer of permanently frozen soil below the surface called permafrost

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- 4 A \_\_\_\_\_ is any area in which the annual rate of evaporation exceeds the rate of precipitation.

Desert

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5 Humans have inhabited polar regions of Earth throughout history.

True

False

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6 Warm temperatures and large amounts of rainfall throughout the year characterize the grassland biome.

True

False

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Bellringer

→ Is it ethical to allow the public into  
archeological sites that have religious meaning  
to native peoples? What's more important,  
promoting knowledge of history of native peoples  
or protecting religious/historical sites?

Oct 2-9:51 AM

# Aquatic Ecology Review

Grade: 10th  
Subject: Biology  
Date:

Oct 2-2:46 PM

- 1 In the deep ocean, there area where sunlight is unable to penetrate is known as the \_\_\_\_\_ zone.

aphotic

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- 2 The deepest region of the ocean is called the \_\_\_\_\_ zone.

abyssal

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- 3 The intertidal zone is a narrow band where the ocean meets land. Organisms that reside here are adapted to constant changes due to daily tides and waves.

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- 4 A(n) estuary is an ecosystem where a freshwater source merges into the ocean. An example would be the Mississippi River flowing into the Gulf of Mexico at the Mississippi River Delta.

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5 Wetlands have high levels of species diversity.

True

False

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6 The area closest to shore in a lake or pond is known as the littoral zone. It is a zone of many producers where a high level of photosynthesis occurs.

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- 7 The limnetic zone is open water in a pond or lake that is dominated by plankton, free-floating photosynthetic autotrophs.

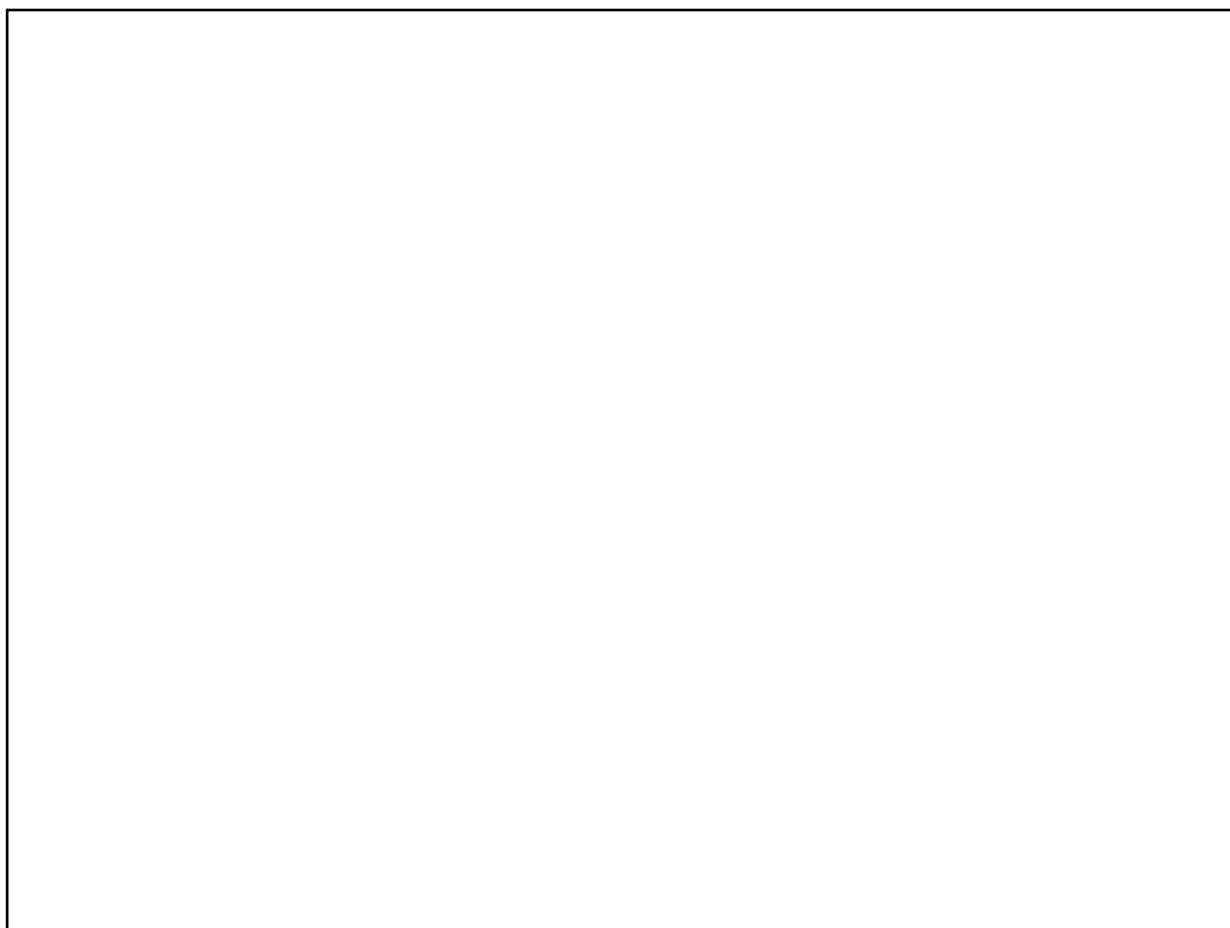
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- 8 The profundal zone is the deepest part of a large lake, where much colder water temperatures and lower dissolved oxygen content exist.

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